



## JP5031367A: CATALYST FOR EXHAUST GAS PURIFICATION

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**Abstract:** **Purpose:** To obtain a ternary catalyst having a catalytic activity even at 900°C or higher and high purifying function against NO<sub>x</sub>.  
**Constitution:** A composite oxide with a perovskite-type structure having a general formula Ln<sub>1-x</sub>A<sub>x</sub>MO<sub>3</sub> (Ln denotes rare earth metals except for Ce, A denotes Ce or alkaline earth metals, M a transition metal, either one denotes one or two kinds of them, respectively, 0 < x < 1), a heat-resistant oxide which contains Ce and Zr and/or rare earth metals except for Ce and at least a part of which becomes a composite oxide or a solid solution, and a noble metal are made to coexist. Due to the coexistence of the heat-resistant oxide, the heat-resistance is heightened and due to the coexistence of the noble metal, purifying function against NO<sub>x</sub> is heightened.

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Foreign References: n n

(No patents reference this one)

